

|                         |          |            |
|-------------------------|----------|------------|
| <b>TRANSMITTAL SLIP</b> |          | DATE       |
| TO: 1- [REDACTED]       |          |            |
| 2- Mr. Dickett          |          |            |
| ROOM NO.                | BUILDING | [REDACTED] |
| REMARKS:                |          |            |
|                         |          |            |
| FROM:                   |          |            |
| ROOM NO.                | BUILDING | EXTENSION  |

FORM NO. 241  
1 FEB 55

REPLACES FORM 36-8  
WHICH MAY BE USED.

GPO : 1957—O-439445

(47)

STATINTL

DIA Declassification/Release Instructions on File

CENTRAL INTELLIGENCE AGENCY / DEFENSE INTELLIGENCE AGENCY

JOINT ANALYSIS GROUP

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17 February 1965

MEMORANDUM FOR RECIPIENTS OF JAG WORKING PAPER No. 13-64

Attached are summaries of the costing of alternative Soviet force structures I, II, and IV, published in CIA/DIA JAG Working Paper No. 13-64, (the costing of Alternative III is in process). Because the machine runs are still being evaluated, these figures should be considered preliminary.

The results can be compared with the costing of IAP in CIA/RR MR 64-1, Soviet Defense Expenditures and Their Economic Impact Through 1970. It should be noted, however, that there are definitional differences between some of the categories used herein and the ostensibly like categories shown in the treatment of the IAP programs. These differences relate to the composition of the categories Strategic Defense, General Purpose, and Command and General Support.

25X1A

  
Chairman

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Alternative Force I - Expenditures  
(Billions of \$)

|                                    | <u>1962</u>  | <u>1963</u>  | <u>1964</u>  | <u>1965</u>  | <u>1966</u>  | <u>1967</u>  | <u>1968</u>  | <u>1969</u>  | <u>1970</u>  | <u>1971</u>  | <u>1972</u>  | <u>1973</u>  | <u>1974</u>  | <u>1975</u>  |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <u>TOTAL MIL. EXPENDITURES</u>     | <u>42.04</u> | <u>42.90</u> | <u>43.16</u> | <u>43.23</u> | <u>43.82</u> | <u>45.18</u> | <u>46.00</u> | <u>46.56</u> | <u>47.90</u> | <u>48.93</u> | <u>50.46</u> | <u>50.84</u> | <u>51.48</u> | <u>51.75</u> |
| <u>Total Major Missions</u>        | <u>28.42</u> | <u>28.24</u> | <u>27.59</u> | <u>26.93</u> | <u>26.85</u> | <u>27.50</u> | <u>27.53</u> | <u>27.28</u> | <u>27.83</u> | <u>28.05</u> | <u>28.89</u> | <u>28.45</u> | <u>28.40</u> | <u>28.08</u> |
| <u>Strategic Offense</u>           | <u>5.86</u>  | <u>5.87</u>  | <u>5.58</u>  | <u>5.05</u>  | <u>5.00</u>  | <u>5.31</u>  | <u>5.44</u>  | <u>5.08</u>  | <u>4.73</u>  | <u>4.70</u>  | <u>5.15</u>  | <u>5.16</u>  | <u>5.59</u>  | <u>5.74</u>  |
| of which                           |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| ICBM's                             | 1.45         | 2.11         | 2.34         | 2.14         | 2.36         | 2.68         | 2.71         | 2.43         | 1.97         | 1.79         | 2.11         | 2.47         | 3.09         | 3.48         |
| M/IRBM's                           | 2.55         | 2.03         | 1.39         | 1.10         | 0.95         | 1.17         | 1.29         | 1.28         | 1.30         | 1.43         | 1.45         | 1.14         | 0.92         | 0.89         |
| Msl. Launch Subs                   | 0.30         | 0.25         | 0.45         | 0.46         | 0.48         | 0.33         | 0.44         | 0.44         | 0.55         | 0.53         | 0.64         | 0.64         | 0.78         | 0.65         |
| Med. & Hvy Bms                     | 1.01         | 0.91         | 0.88         | 0.93         | 0.88         | 0.75         | 0.63         | 0.58         | 0.52         | 0.59         | 0.59         | 0.57         | 0.49         | 0.42         |
| <u>Strategic Defense</u>           | <u>6.67</u>  | <u>7.25</u>  | <u>7.74</u>  | <u>7.48</u>  | <u>7.40</u>  | <u>7.52</u>  | <u>7.69</u>  | <u>7.63</u>  | <u>8.28</u>  | <u>8.87</u>  | <u>9.11</u>  | <u>8.68</u>  | <u>8.62</u>  | <u>8.43</u>  |
| Air & Msl Defense                  | 4.86         | 5.09         | 5.42         | 5.16         | 5.16         | 5.35         | 5.67         | 5.69         | 6.30         | 6.86         | 6.86         | 6.33         | 6.19         | 6.19         |
| Naval Defense                      | 1.81         | 2.16         | 2.32         | 2.32         | 2.24         | 2.17         | 2.02         | 1.94         | 1.98         | 2.01         | 2.25         | 2.35         | 2.43         | 2.24         |
| <u>General Purpose</u>             | <u>15.89</u> | <u>15.12</u> | <u>14.27</u> | <u>14.40</u> | <u>14.45</u> | <u>14.67</u> | <u>14.40</u> | <u>14.57</u> | <u>14.82</u> | <u>14.48</u> | <u>14.63</u> | <u>14.61</u> | <u>14.19</u> | <u>13.91</u> |
| Ground                             | 12.09        | 11.64        | 10.94        | 11.12        | 11.24        | 11.46        | 11.10        | 11.11        | 11.24        | 11.04        | 11.17        | 11.25        | 10.92        | 10.63        |
| Naval                              | 2.96         | 2.70         | 2.63         | 2.62         | 2.65         | 2.65         | 2.66         | 2.73         | 2.76         | 2.66         | 2.71         | 2.74         | 2.76         | 2.78         |
| Mil. Trans. Aviation               | 0.84         | 0.78         | 0.70         | 0.66         | 0.56         | 0.56         | 0.64         | 0.73         | 0.82         | 0.78         | 0.75         | 0.62         | 0.51         | 0.50         |
| <u>Command &amp; Genl. Support</u> | <u>6.40</u>  | <u>7.67</u>  | <u>6.77</u>  | <u>6.83</u>  | <u>6.81</u>  | <u>6.70</u>  | <u>6.71</u>  | <u>6.72</u>  | <u>6.71</u>  | <u>6.72</u>  | <u>6.72</u>  | <u>6.72</u>  | <u>6.74</u>  | <u>6.72</u>  |
| Command & Support                  | 3.82         | 4.06         | 4.15         | 4.19         | 4.14         | 4.03         | 4.02         | 4.00         | 3.98         | 3.96         | 3.95         | 3.93         | 3.92         | 3.91         |
| Civil Defense                      | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         |
| Reserve & Retired                  | 2.46         | 2.48         | 2.50         | 2.52         | 2.54         | 2.55         | 2.57         | 2.59         | 2.61         | 2.63         | 2.65         | 2.67         | 2.69         | 2.69         |
| <u>RDTE &amp; s<sup>1/</sup></u>   | <u>7.19</u>  | <u>7.99</u>  | <u>8.79</u>  | <u>9.48</u>  | <u>10.17</u> | <u>10.97</u> | <u>11.76</u> | <u>12.56</u> | <u>13.36</u> | <u>14.15</u> | <u>14.85</u> | <u>15.65</u> | <u>16.35</u> | <u>16.95</u> |
| Non-space                          | 6.00         | 6.20         | 6.40         | 7.20         | 7.50         | 7.60         | 8.00         | 7.90         | 7.80         | 8.10         | 7.30         | 7.40         | 6.80         | 5.70         |
| Space                              | 0.90         | 1.50         | 2.10         | 2.00         | 2.40         | 3.10         | 3.50         | 4.40         | 5.30         | 5.80         | 7.30         | 8.00         | 9.30         | 11.00        |

<sup>1/</sup> Includes a small amount for military personnel engaged in R&D that is not allocated to non-space or space.

NOTE: Components may not add to totals shown, due to rounding.

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ALTERNATIVE FORCE II - EXPENDITURES  
(Billions of \$)

|                                    | 1962         | 1963         | 1964         | 1965         | 1966         | 1967         | 1968         | 1969         | 1970         | 1971         | 1972         | 1973         | 1974         | 1975         |
|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <u>TOTAL MIL. EXPENDITURES</u>     | <u>45.62</u> | <u>46.95</u> | <u>48.71</u> | <u>50.46</u> | <u>52.08</u> | <u>55.36</u> | <u>59.27</u> | <u>62.88</u> | <u>65.86</u> | <u>64.94</u> | <u>67.47</u> | <u>68.36</u> | <u>68.13</u> | <u>66.61</u> |
| <u>Total Major Missions</u>        | <u>30.27</u> | <u>30.37</u> | <u>30.80</u> | <u>31.25</u> | <u>31.50</u> | <u>33.49</u> | <u>36.06</u> | <u>38.35</u> | <u>39.96</u> | <u>39.86</u> | <u>41.08</u> | <u>40.86</u> | <u>39.64</u> | <u>37.13</u> |
| <u>Strategic Offense</u>           | <u>6.09</u>  | <u>6.21</u>  | <u>6.26</u>  | <u>6.15</u>  | <u>6.30</u>  | <u>7.35</u>  | <u>8.76</u>  | <u>9.88</u>  | <u>10.54</u> | <u>10.44</u> | <u>10.89</u> | <u>11.19</u> | <u>10.69</u> | <u>9.30</u>  |
| ICBM's                             | 1.64         | 2.47         | 2.69         | 2.53         | 2.70         | 3.27         | 4.13         | 4.92         | 5.06         | 5.02         | 5.14         | 5.37         | 5.04         | 4.85         |
| M/IRES's                           | 2.51         | 1.99         | 1.39         | 1.16         | 0.97         | 1.17         | 1.43         | 1.63         | 1.79         | 1.82         | 1.74         | 1.59         | 1.31         | 1.17         |
| Msl.Launch, Subs.                  | 0.33         | 0.26         | 0.62         | 0.71         | 0.74         | 0.76         | 0.86         | 0.90         | 0.76         | 0.76         | 0.80         | 0.87         | 0.97         | 0.82         |
| Med. & Hvy.Bmrs.                   | 1.03         | 0.97         | 1.07         | 1.23         | 1.38         | 1.60         | 1.76         | 1.69         | 2.17         | 2.09         | 2.32         | 2.26         | 2.14         | 1.14         |
| <u>Strategic Defense</u>           | <u>7.60</u>  | <u>8.09</u>  | <u>9.10</u>  | <u>9.45</u>  | <u>9.51</u>  | <u>10.16</u> | <u>11.57</u> | <u>12.32</u> | <u>12.93</u> | <u>12.79</u> | <u>13.03</u> | <u>12.44</u> | <u>12.17</u> | <u>11.42</u> |
| Air Defense                        | 5.64         | 5.84         | 6.41         | 6.50         | 6.27         | 6.97         | 8.14         | 8.53         | 8.61         | 8.35         | 8.57         | 8.75         | 9.13         | 9.32         |
| Naval Defense                      | 1.96         | 2.25         | 2.69         | 2.95         | 3.24         | 3.19         | 3.43         | 3.79         | 4.32         | 4.44         | 4.46         | 3.69         | 3.04         | 2.10         |
| <u>General Purpose</u>             | <u>16.58</u> | <u>16.07</u> | <u>15.44</u> | <u>15.65</u> | <u>15.69</u> | <u>15.98</u> | <u>15.73</u> | <u>16.15</u> | <u>16.49</u> | <u>16.63</u> | <u>17.16</u> | <u>17.23</u> | <u>16.78</u> | <u>16.39</u> |
| Ground                             | 12.50        | 12.15        | 11.83        | 12.12        | 12.22        | 12.39        | 12.02        | 12.28        | 12.42        | 12.55        | 13.02        | 13.06        | 12.95        | 12.59        |
| Naval                              | 3.18         | 3.07         | 2.84         | 2.81         | 2.84         | 2.87         | 2.92         | 2.96         | 3.04         | 3.09         | 3.18         | 3.23         | 3.23         | 3.20         |
| Mil.Transp.Aviation                | 0.90         | 0.85         | 0.77         | 0.72         | 0.63         | 0.72         | 0.79         | 0.91         | 1.03         | 0.99         | 0.96         | 0.94         | 0.60         | 0.60         |
| <u>Command &amp; Genl. Support</u> | <u>6.83</u>  | <u>6.98</u>  | <u>7.10</u>  | <u>7.20</u>  | <u>7.29</u>  | <u>7.25</u>  | <u>7.31</u>  | <u>7.32</u>  | <u>7.28</u>  | <u>5.29</u>  | <u>5.28</u>  | <u>5.29</u>  | <u>5.30</u>  | <u>5.27</u>  |
| Command & Support                  | 4.25         | 4.37         | 4.48         | 4.56         | 4.62         | 4.58         | 4.62         | 4.60         | 4.55         | 4.53         | 4.51         | 4.50         | 4.48         | 4.46         |
| Civil Defense                      | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         |
| Reserve & Retired                  | 2.46         | 2.48         | 2.50         | 2.52         | 2.54         | 2.55         | 2.57         | 2.59         | 2.61         | 0.63         | 0.65         | 0.67         | 0.69         | 0.69         |
| <u>RDTE &amp; S<sup>1/</sup></u>   | <u>8.51</u>  | <u>9.61</u>  | <u>10.81</u> | <u>12.01</u> | <u>13.31</u> | <u>14.61</u> | <u>15.91</u> | <u>17.21</u> | <u>18.61</u> | <u>19.81</u> | <u>21.11</u> | <u>22.21</u> | <u>23.21</u> | <u>24.21</u> |
| Non-Space                          | 7.00         | 6.50         | 6.20         | 6.80         | 7.70         | 8.70         | 9.50         | 9.50         | 10.50        | 12.50        | 12.00        | 12.00        | 13.60        | 13.10        |
| Space                              | 1.20         | 2.80         | 4.30         | 4.90         | 5.30         | 5.60         | 6.10         | 7.40         | 7.80         | 7.00         | 8.80         | 9.90         | 9.30         | 10.80        |

<sup>1/</sup> Includes a small amount for military personnel engaged in R&D that is not allocated to non-space or space.

NOTE: Components may not add to totals shown, due to rounding.

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ALTERNATIVE FORCE IV - EXPENDITURES  
(Billions of \$)

|                                | 1962         | 1963         | 1964         | 1965         | 1966         | 1967         | 1968         | 1969         | 1970         | 1971         | 1972         | 1973         | 1974         | 1975         |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <u>TOTAL MIL. EXPENDITURES</u> | <u>37.65</u> | <u>39.12</u> | <u>38.64</u> | <u>39.30</u> | <u>39.76</u> | <u>38.93</u> | <u>37.25</u> | <u>35.53</u> | <u>35.15</u> | <u>35.96</u> | <u>36.30</u> | <u>36.27</u> | <u>35.97</u> | <u>35.71</u> |
| Total Major Missions           | 26.03        | 26.64        | 25.86        | 26.19        | 26.63        | 25.86        | 24.18        | 22.31        | 21.65        | 22.18        | 22.23        | 21.90        | 21.18        | 20.51        |
| Strategic Offense              | 5.73         | 5.76         | 5.24         | 4.65         | 4.48         | 4.61         | 4.31         | 3.62         | 3.20         | 3.17         | 3.22         | 3.12         | 2.99         | 2.92         |
| ICBM's                         | 1.53         | 2.16         | 2.19         | 1.96         | 2.21         | 2.27         | 2.05         | 1.59         | 1.23         | 1.38         | 1.61         | 1.76         | 1.81         | 1.77         |
| M/IREM's                       | 2.33         | 1.94         | 1.40         | 1.10         | 0.82         | 0.94         | 1.03         | 1.04         | 1.03         | 0.94         | 0.85         | 0.79         | 0.67         | 0.63         |
| Msl.Launch,Subs.               | 0.29         | 0.21         | 0.29         | 0.32         | 0.35         | 0.37         | 0.32         | 0.29         | 0.32         | 0.29         | 0.25         | 0.13         | 0.13         | 0.13         |
| Med. & Hvy.Bmrs.               | 1.03         | 0.86         | 0.80         | 0.83         | 0.79         | 0.70         | 0.55         | 0.35         | 0.28         | 0.22         | 0.17         | 0.13         | 0.10         | 0.10         |
| Strategic Defense              | 6.32         | 6.36         | 7.05         | 7.06         | 7.16         | 6.88         | 6.81         | 6.70         | 6.55         | 6.71         | 6.75         | 6.30         | 6.03         | 5.85         |
| Air Defense                    | 4.48         | 4.75         | 4.94         | 4.97         | 5.06         | 4.83         | 4.92         | 5.00         | 4.90         | 5.02         | 5.03         | 4.69         | 4.53         | 4.48         |
| Naval Defense                  | 1.84         | 2.11         | 2.11         | 2.09         | 2.10         | 2.05         | 1.89         | 1.70         | 1.65         | 1.69         | 1.72         | 1.61         | 1.50         | 1.37         |
| General Purpose                | 13.98        | 14.02        | 13.57        | 14.48        | 14.99        | 14.37        | 13.06        | 11.99        | 11.90        | 12.30        | 12.26        | 12.48        | 12.16        | 11.77        |
| Ground                         | 10.26        | 10.49        | 10.34        | 11.13        | 11.46        | 10.76        | 9.39         | 8.17         | 7.79         | 8.07         | 7.97         | 8.17         | 8.16         | 8.11         |
| Naval                          | 2.95         | 2.84         | 2.60         | 2.63         | 2.65         | 2.71         | 2.70         | 2.79         | 2.97         | 3.14         | 3.23         | 3.27         | 3.37         | 3.28         |
| Mil.Transp.Aviation            | 0.77         | 0.69         | 0.63         | 0.72         | 0.88         | 0.90         | 0.97         | 1.03         | 1.14         | 1.09         | 1.06         | 1.04         | 0.63         | 0.38         |
| Command & Genl. Support        | 6.14         | 6.32         | 6.44         | 6.46         | 6.31         | 5.93         | 5.65         | 5.50         | 5.48         | 5.48         | 5.48         | 5.49         | 5.51         | 5.49         |
| Command & Support              | 3.56         | 3.71         | 3.82         | 3.82         | 3.64         | 3.26         | 2.96         | 2.78         | 2.75         | 2.72         | 2.71         | 2.70         | 2.69         | 2.66         |
| Civil Defense                  | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         | 0.13         | 0.12         | 0.12         | 0.13         | 0.12         |
| Reserve & Retired              | 2.46         | 2.48         | 2.50         | 2.52         | 2.54         | 2.55         | 2.57         | 2.59         | 2.61         | 2.63         | 2.65         | 2.67         | 2.69         | 2.69         |
| RDTE & S <sup>1</sup> /        | 5.47         | 6.17         | 6.37         | 6.65         | 6.83         | 7.13         | 7.42         | 7.72         | 8.02         | 8.29         | 8.59         | 8.89         | 9.29         | 9.69         |
| Non-Space                      | 4.30         | 4.90         | 5.10         | 5.40         | 5.50         | 5.50         | 5.60         | 5.20         | 4.70         | 3.70         | 4.10         | 4.50         | 4.80         | 4.40         |
| Space                          | 0.90         | 1.00         | 1.00         | 1.00         | 1.10         | 1.40         | 1.60         | 2.30         | 3.10         | 4.40         | 4.30         | 4.20         | 4.30         | 5.10         |

<sup>1</sup>/ Includes a small amount for military personnel engaged in R&D that is not allocated to non-space or space.

NOTE: Components may not add to totals shown, due to rounding.

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